AMENDMENTS TO THE SPECIFICATION:

At page 8, lines 8 – 16, please replace the paragraph as follows (underlined denotes replacements additions and strikethrough or double brackets notes deletions):

Cardiac stimulation may be used as a therapy for disordered breathing. Therapy methods using cardiac pacing is described in commonly owned U.S. patent application <u>no. 10/643,203 filed August 18, 2003</u> entitled "Adaptive Therapy for Disordered Breathing," ~~identified under Attorney Docket Number GUID.059PA~~, filed concurrently with this patent application, and incorporated by reference herein in its entirety. The cardiac pacing method described uses an adaptive therapy based on detection of disordered breathing. Such a disordered breathing therapy may be adapted, for example, to achieve an overall level of therapy efficacy, patient comfort, sleep quality, interaction with other patient therapies, or device service life.

At page 8, lines 17 – 23, please replace the paragraph as follows:

Embodiments of the invention discussed herein relate to systems and methods providing an adaptive therapy for disordered breathing based on prediction of disordered breathing. Various approaches for predicting disordered breathing are described in commonly owned U.S. patent application <u>no. 10/643,016 filed August 18, 2003</u> entitled "Prediction of Disordered Breathing," ~~identified under Attorney Docket Number GUID.088PA~~, filed concurrently with this patent application, and incorporated by reference herein in its entirety.

At page 9, lines 21 – 29 and 10, lines 1 – 4, please replace the paragraph as follows:

Contextual conditions generally encompass the external conditions affecting the patient. Contextual conditions may be broadly defined to include, for example, non -physiological environmental conditions such as temperature, humidity, air pollution index, ambient noise, and barometric pressure as well as body-related conditions such as patient location, posture, and altitude. Contextual conditions may also include historical condi tions relating to the patient, including the patient's normal sleep time and the patient's medical history, for example. Methods and systems for detecting contextual conditions are described in commonly owned U.S. Patent Application identified by serial number 10/269611, filed October 11, 2002, and incorporated by

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reference herein in its entirety. Methods and systems for REM sleep detection are described in commonly owned U.S. Patent Application no. 10/643,006 filed August 18, 2003 entitled "Sleep State Classification," ~~identified by Attorney Docket Number GUID.060PA~~, filed concurrently with this application and incorporated herein by reference.

At page 37, lines 10 – 22, please replace the paragraph as follows:

In one example, conditions related to sleep quality, e.g., sleep fragmentation and other arousal-based measures, patient-reported restful sleep, and discomfort during therapy, may be used to assess the impact of the therapy on the patient. For example, if a patient receiving effective disordered breathing therapy has low sleep fragmentation, reports restful sleep, and reports no discomfort, the adverse effects of the therapy on the patient may be relatively low. If sleep fragmentation is relatively high, or if the patient reports discomfort or feeling tired after sleeping, these conditions may indicate that therapy is causing sleep disturbance and/or other undesirable effects. Various methods and systems for collecting sleep quality data and assessing sleep quality are described in a commonly owned U.S. patent application no. 10/642,998 filed August 18, 2003 entitled "Sleep Quality Data Collection and Evaluation," ~~identified under Attorney Docket No. GUID.058PA~~, filed concurrently with this application which is hereby incorporated herein by reference.[[-]]

At page 51, lines 21 – 29 and page 52, lines 1 – 4, please replace the paragraph as follows:

The following commonly owned U.S. Patents Applications, some of which have been identified above, are hereby incorporated by reference in their respective entireties: U.S. Patent Application Serial Number 10/309,771 ~~(Docket Number GUID.064PA)~~, filed December 4, 2002, U.S. Patent Application Serial Number 10/309,770 ~~(Docket Number GUID.054PA)~~, filed December 4, 2002, U.S. Patent Application Serial Number 10/642,998 entitled "Sleep Quality Data Collection and Evaluation," ~~identified by Docket Number GUID.058PA~~ and concurrently filed with this patent application, U.S. Patent Application Number 10/643,203 entitled "Adaptive Therapy for Disordered Breathing," ~~identified by Docket Number~~ GUID.059PA and filed concurrently with this patent application, U.S. Patent Application Number 10/643,006 entitled "Sleep State Classification," ~~identified by Docket Number GUID.060PA~~ and filed concurrently with this patent application, and U.S. Patent Application Number 10/643,016 entitled "Prediction

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of Disordered Breathing," ~~identified by Docket Number GUID.088PA~~ and filed concurrently with this patent application.

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